Claims

a semiconductor;

	Ciaiiiis	
[c1]		Having thus described the preferred embodiment, the invention is now claimed to be: 1. A light emitting device, comprising: a nitride compound, for providing at least one of blue and ultraviolet emission; an epoxy, embedded with a phosphor, mounted to the nitride compound; and a frame including a surface having an uneven portion contacting the epoxy.
[c2]		2. The light emitting device as set forth in claim 1, wherein the compound includes one of binary compound materials, ternary compound materials, and quaternary compound materials.
[c 3]		$\it 3$. The light emitting device as set forth in claim $\it 2$, wherein the nitride compound is one of a group II through group VI-nitride compound.
[c3]		${\it 4}$.The light emitting device as set forth in claim ${\it 3}$, wherein the nitride compound is a group III-nitride including GaN.
[c5] [c6]		${\it 5}$.The light emitting device as set forth in claim ${\it 1}$, further including: a substrate, the nitride compound and the epoxy being mounted to the substrate.
[c6]		$\it 6$.The light emitting device as set forth in claim $\it 5$, wherein the substrate includes sapphire.
[c7]		${\cal I}$. The light emitting device as set forth in claim ${\cal I}$, wherein the uneven portion is a designed surface.
[c8]		8. The light emitting device as set forth in claim 1, wherein the phosphor converts the at least one of the blue and the ultraviolet emission from the nitride compound to a visible light, which is emitted from the frame.
[c9]		${\it 9}$. The light emitting device as set forth in claim ${\it 1}$, wherein the frame further includes a smooth portion, substantially none of the phosphor embedded epoxy contacting the smooth portion.
[c10]		10 .A system for converting light from a first range of wavelengths to a second range of wavelengths, comprising:

a frame contacting the phosphor embedded epoxy. 11 .The system for converting light from a first range of wavelengths to a second range [c11] of wavelengths as set forth in claim 10, wherein: the first range of wavelengths includes blue/ultraviolet light; and the second range of wavelengths includes visible light. 12. The system for converting light from a first range of wavelengths to a second range [c12] of wavelengths as set forth in claim 10, wherein: the first range of wavelengths is greater than about 10 nanometers and less than about 500 nanometers; and the second range of wavelengths is greater than about 400 nanometers and less than about 800 nanometers. 13 .The system for converting light from a first range of wavelengths to a second range of wavelengths as set forth in claim 10, wherein the semiconductor includes: a substrate; a nitride compound, for providing at least one of blue and ultraviolet emission, mounted ļ. on a first end of the substrate, the phosphor embedded epoxy being mounted on a second end of the substrate. 14. The system for converting light from a first range of wavelengths to a second range [c14]of wavelengths as set forth in claim 13, wherein the nitride compound includes one of binary compound materials, ternary compound materials, and quaternary compound materials. 15 .The system for converting light from a first range of wavelengths to a second range [c15] of wavelengths as set forth in claim 13, wherein the substrate is sapphire. 16. The system for converting light from a first range of wavelengths to a second range [c16]of wavelengths as set forth in claim 10, wherein the frame includes a designed surface, substantially all of the phosphor embedded epoxy contacting the designed surface.

17.A method of manufacturing a solid state lamp, comprising:

mounting a phosphor embedded epoxy to a first end of a semiconductor including a

[c17]

a phosphor embedded epoxy contacting a first end of the semiconductor; and

nitride, which provides at least one of blue and ultraviolet emission; and mounting the first end of the semiconductor to a frame via the phosphor embedded epoxy.

- [c18] 18. The method of manufacturing a solid state lamp as set forth in claim 17, further including:

 creating a designed surface on the frame, the second end of the semiconductor being mounted to the designed surface.
- [c19] 19. The method of manufacturing a solid state lamp as set forth in claim 17, further including:

 attaching an electrical contact to the semiconductor die.